

37, (01-), 42, 43, and 230 (NO₂). In the 1600-1700K range the negative ion cur-
Card 1/2

PROCESSING INFORMATION FROM IV TO IV IN HQS. All ion currents except that with m/e = 44
Card 2/3

BAKULINA, I.N.; IONOV, N.I.

Absolute energies of electron affinity of halogen and sulfur atoms. Zhur. fiz. khim. 39 no. 1:157 Ja '65 (MIRA 19:1)

1. Fiziko-tehnicheskiy institut imeni A.F. Ioffe AN SSSR.
Submitted November 1, 1963.

BAKULINA, I.N.; ZANDBERG, E.Ya.; IONOV, N.I.

Emission of positive and negative molecular ions from heated surfaces. Zhur. tekhn. fiz. 35 no.3:562-567 Mr '65.

(MIRA 18:6)

1. Fiziko-tekhnicheskiy institut imeni Ioffe AN SSSR, Leningrad.

PIROGOVA, O.M.; DOROVSKAYA, V.G.; BAKULINA, K.I.; BRON, B.Z.

Role of some endocrine and metabolic disorders in the pathogenesis and treatment of lupus erythematosus. Vest. dermat. i ven. no.2:11-16 '65. (MIRA 18:10)

1. Kozhnyy otdel (zav. A.P.Bazyka) i biokhimicheskaya laboratoriya (zav. N.N.Madiyevskaya) Ukrainskogo nauchno-issledovatel'skogo kozhno-venereologicheskogo instituta (direktor - dotsent A.I. Pyatikop), Khar'kov.

GREBENCHUK, A.I.; BAKULINA, I.I.; VASHCHENOK, G.I.; BOKOVA, N.M.; PRUKO,
T.A.; ANDREYEVA, A.P.; YULIOVA, P.V.; BARTASHEVA, N.A.; PALABONOVA, L.S.

Salmonellosis in rodents in Leningrad. Zhur. mikrobiol.,
epid. i immun. 42 no.6:43-47 1965. (MIRA 18:9)

1. Leningradskaya protivochnaya portovaya i gorodskaya nablyu-
datel'naya stantsiya i Leningradskaya sanitarno-epidemiologicheskaya
stantsiya.

BAKULINA, L.I.

Case of the isolation of hemorrhagic septicemia pathogenic
from Rhombomys opimus. Zhur. mikrobiol. epid. i immun. 32
no.5:122-123 My '61. (MIRA 14:6)

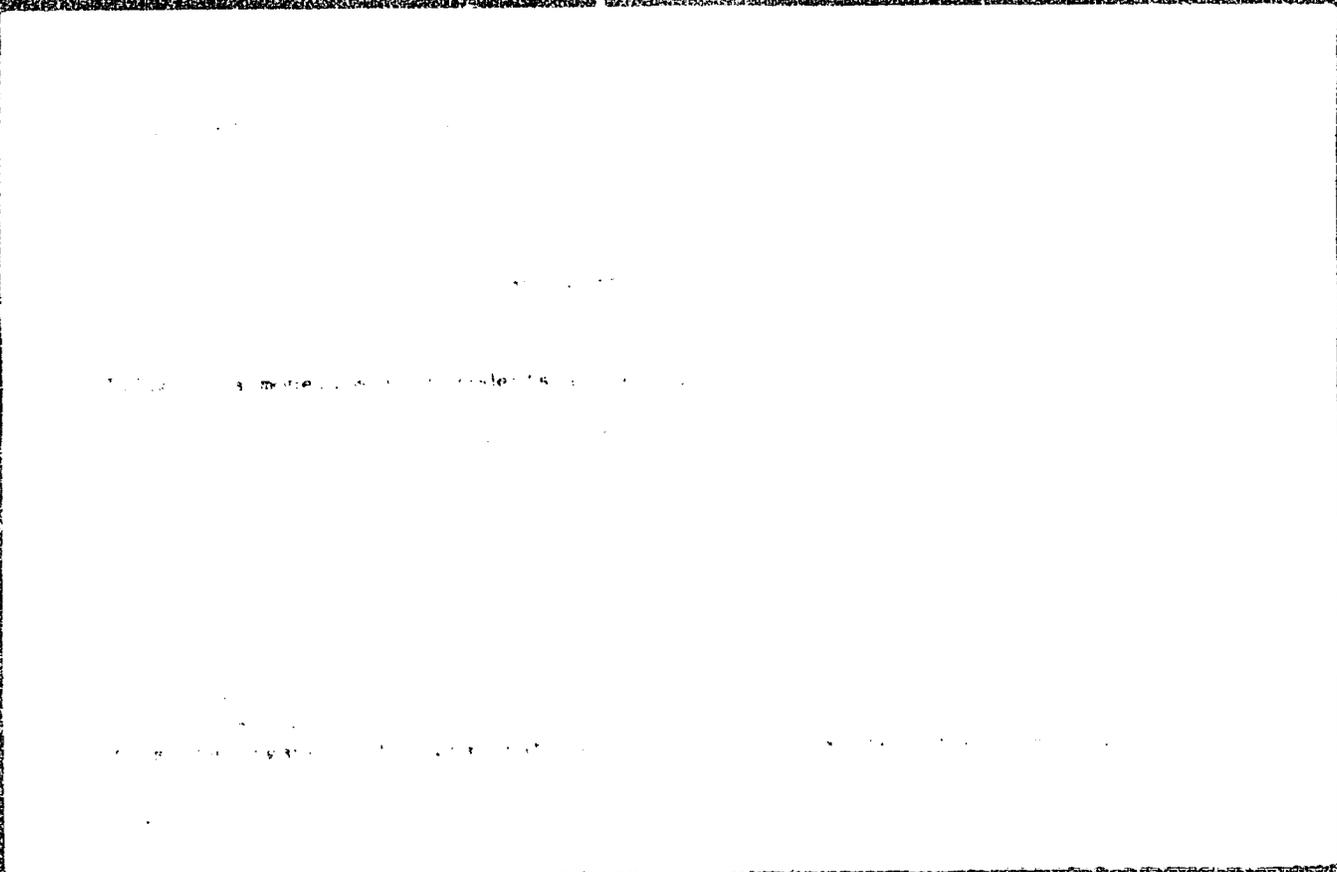
1. Iz Leningradskoy protivoochmunoy portovoy i gorodskoy nablyudatel'noy
stantsii.
(PASTEURELLA) (GERBILS)

ANDREYEVA, A.P.; BAKULINA, L.I.; GREBENCHUK, A.I.; GUR'YANOVA, L.I.;
PUN'KO, T.A.; SONOVA, N.M.; YUDINOVA, P.V.

Microflora of rodents in Leningrad. Report No.2. Zhur. mikrobiol.,
epid. i immun. 32 no.9:133-134 S 61. (MIRA 15'2)

1. Iz Leningradskoy protivochumnoy portovoy i gorodskoy nablyudatel'noy
stantsii.

(LENINGRAD RODENTIA MICROBIOLOGY)



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BAKULINA, N.A.

Reaction of the indirect (passive) hemagglutination in toxoplasmosis;
a review of literature. Lab. delo no. 9:534-536 '64.

(MERL 17.12)

1. Kafedra epidemiologii Tsentral'nogo instituta usovershenstvovaniya
vrachey, Moskva.

BANILINA, N.A.

Reaction of indirect hemagglutination in the diagnosis of
toxoplasmosis. Trudy TSIU 68:180-183 '64. (MIRA 18:5)

USSR/Medicine - Biochemistry

FD-246*

Card 1/1 : Pub 33-15/24

Author : Manoylova, O. S.; Bakulina, N. D.

Title : The content of water and non-protein nitrogen in the brain of animals during inhibition and excitation

Periodical : Fiziol. zhur. 2, 262-264, Mar-Apr 1955

Abstract : "In 94 experiments on rabbits, cats, white rats and white mice, the content of water and non-protein nitrogen of the brain was decreased during anesthesia (ether, chloroform, amytal), and increased after cardiazol. Graphs. Five references, all USSR and all since 1940.

Institution: Chair of Biochemistry of the Medical Institute, Kuybyshev

Submitted : August 17, 1953

BAKULINA, O. I.

BAKULINA, O. I. -- *Comparison of the Stability of Different Types of Butter.
Latvian Agricultural Academy, 1954. (Dissertation for the Degree of Candidate of
Technical Sciences)

SO: Izvestiya Ak. Nauk Latvyskoy SSR, No. 9, Sept., 1955

ACC NR. AP6035762

(A,N)

SOURCE CODE: UR/0413/66/000/019/0133/0134

INVENTOR: Kozlov, S. I.; Gorbenko, S. M.; Bakulina, R. I.; Kochetkov, Yu. V.

ORG: none

TITLE: Device for transmitting and automatically registering information from equipment in operation. Class 74, No. 186872

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 133-134

TOPIC TAGS: computer, computer system, industrial automation, industrial instrument, *INFORMATION PROCESSING*

ABSTRACT: An Author Certificate has been issued for a device for transmitting and automatically registering information from equipment in operation. The device consists of electric-pulse summation counters, telephone numerical selectors, equipment-condition transducers, interval scanners, and an electrical-circuit commutator. For the discrete automatic summation of equipment downtime, the commutator, which is in the form of a relay scanner, is connected through the normally closed contacts of the time-lag relay of the interval scanner's pulse pairs between the power supply and the interval-scanner's brushes, the contact leads off of the identical sign of which are connected to the electric-pulse summation counters.

SUB CODE: 09/ SUBM DATE: 23May64/

Card 1/1

UDC: 621.398.654.941

ACCESSION NR: AP4019271

8/0192/64/005/001/0142/0144

AUTHORS: Kuznetsov, V.G.; Bakulina, V.M.; Tokareva, S.A.;
Zimina, A.M.

TITLE: X ray study of sodium ozonide, NaO sub 3

SOURCE: Zhurnal strukturnoy khimii, v. 5, no. 1, 1964, 142-144

TOPIC TAGS: x ray study, sodium ozonide, symmetry, cell dimension,
interplaner distance, volume centered tetragonal lattice, sodium,
sodium compound

ABSTRACT: Sodium ozonide was obtained by reaction of ozone with
dehydrated sodium hydroxide at -80C for 3 hrs. with subsequent ex-
traction from liquid ammonia. The solvent was removed in a vacuum
at -50C. The crystalline product contained 85% sodium ozonide.
Specimens of sodium ozonide synthesized at a temperature interval
of 0 to 5C and separated by subsequent extraction with liquid
ammonia were studied simultaneously. From X-ray photographs it was

Card 1/2

ACCESSION NR: AP4019271

possible to measure more lines and obtain more accurate values, and also to determine the symmetry and cell dimensions. Indexing of x-ray photographs by means of Helly's curves provided better agreement of measured and calculated interplaner distances for a volume centered tetragonal lattice with the ratio $c/a = 0.66$ and with periods $a = 11.65$ and $c = 7.66 \text{ \AA}$. Deviation is observed for the first diffuse line with $d = 3.927 \text{ \AA}$, which is explained by a large error of measurement for this line. The density of sodium ozonide found by the hydrostatic suspension method, is 1.6 g./cm^3 . The number of molecules in the unit cell is 14. As a result of analysis of extinction and of value $N = 14$, spatial group I of 4ttt was tentatively selected. Orig. art. has: 1 table, 1 figure.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N.S. Kurnakova AN SSSR (Institute of General and Inorganic Chemistry AN SSSR)

SUBMITTED: 19Jun68

DATE ACQ: 27Mar64

ENCL: 00

SUB CODE: CH

NO REF SOV: 005

OTHER: 003

Card 2/2

DEBABOV, V.G.; SHIBNEV, V.A.; BAKULINA, V.M.

Specific action of collagenase on peptides related to collagen.
Izv. AN SSSR Ser.khim. no.10:1863-1865 0 '63. (MIRA 17(3))

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR i
Institut biofiziki AN SSSR.

BAKULINA, Ye. S.; TOKROVSKAYA, G. I.; RYBASHOV, D. D.

Radiosensitivity of the sperm of the pond loach (*Misgurnis fossilis* L.). *Radobiologiya* 2 no.1:92-100 Ja '62

(MIRA 18:1)

43060

S/531/62/000/126/001/004
1053/1253

3.54/10

AUTHORS: Bakulina, Ye.V., Gromova, T.N. and Krasikov, P.N.

TITLE: The method of application of water solutions of lead iodide to supercooled clouds and mists

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy. no. 126, 1962. Voprosy fiziki oblakov i aktivnykh vozdeystviy, 10-15

TEXT: One g of PbI_2 introduced into a supercooled mist at $-10^{\circ}C$ yields up to 10^{11} ice crystals. The PbI_2 solution is prepared in tanks according to the reaction $Pb(NO_3)_2 + 2NH_4I = PbI_2 + 2NH_4NO_3$ using either definite quantities of solid $Pb(NO_3)_2$ and NH_4I , or their concentrated solutions (respectively, $Pb(NO_3)_2$ - 300 g to 1 l water, or the concentration 23%, at 18° density, i.e., 1.23 g/cm^3 , and NH_4I - 283 g to 1 l, or 22% concentration, at 18° density, i.d. 1.157 g/cm^3). The obtained PbI_2 solution remains transparent and does not precipitate in tanks nor does it dirty or block pipes and nozzles when glowing. There are 2 tables.

Card 1/1

BAKULIS, A. Ya.

Eosinophilic granuloma of bones. Ortop., travm. i protes.
26 no.12:64-65 D '65.

(MIRA 19:1)

1. Iz otdeleniya detskoy kostnoy patologii TSentral'nogo instituta
travmatologii i ortopedii (direktor - chlen-korrespondent AMN SSSR
prof.M.V.Volkov). Submitted April 17, 1965.

BAKULIS, I.

22638 BAKULIS, I. O Krovyanom Davlenii I Pul'se V Zavisimosti, Otvertikal'nogo I Gorizonta'nogo Polozheniya Tela I Posle Fizicheskoy Nagruzki. Zdravookhraneniye Sov Latvii, SB. 3, 1949, S. 80-87.--NA Latysh. Yaz--Rezyume NA Rus. Yaz.

SO: Letopis' 30, 1949

BAKULIS, I. I.

BAKULIS, I.: "Cleft palate and its plastic surgery". Riga, 1955. Riga
Medical Inst. (Dissertations for the Degree of Candidate of Medical
Sciences).

SO: Knizhnaya letopis' No 44, 29 October 1955. Moscow.

BAKULIS, I.P., dotsent; GAUYEN, Ya.K. [Gaujens, J.]

Contemporary tactics of pediatricians and surgeons in treating empyema in children. *Pediatrics* 4 no.7:38-40 J1'63
(MIRA 16:12)

1. Iz kafedry operativnoy khirurgii (zav. - zasluzhennyy deyatel' nauki Latvyskoy SSR prof. A.P.Biyezin' [A.Biezins]) Rzhskogo meditsinskogo instituta i khirurgicheskogo otdeleniya (nauchnyy konsul'tant - prof. A.P.Biyezin' [A.Biezins]) Rzhskoy gorodskoy detskoy klinicheskoy bol'nitsy (glavnyy vrach T.R.Chems).

BASHKIROV, A.A., veterinarnyy vrach Khersonskoy oblasti, Gornostayevskiy rayon;
MALAKHOV, N.V.; BAKULOV, I.

Aspects of using corn as feed. Veterinariia 33 no.8:82-84 Ag '56.
(MLRA 9:9)

1. Starshiy veterinarnyy vrach Dunayevskoy mashine-traktorney stantsii,
Stavropol'skogo kraya (for Malakhov). 2. Glavnyy veterinarnyy vrach
molochnogo sovkhoza "Stychnoy", Nikolayevskogo rayona, Kamenskoy oblasti
(for Bakulov).

(Corn (Maize)) (Domestic animals--Diseases and pests)

BAKULOV, I.A.

In vitro studies on the sensitivity to various antibiotics of agents responsible for listeriosis in agricultural animals. Antibiotiki 4 no.5:62-65 8-0 '59. (MIRA 13:2)

1. Kafedra epizootologii (zav. - prof. M.S. Gannushkin) Moskovskoy veterinarnoy akademii.
(LISTERIA pharmacol.)
(ANTIBIOTICS pharmacol.)

BAKULOV, I. A., Cand Vet Sci -- (diss) "Characteristics of the diagnostics of the Listerization of agricultural animals and experience with the application of antibiotics for prophylactic and medical purposes." Moscow, 1960. 20 pp; (Moscow Veterinary Academy, Ministry of Agriculture RSFSR); 150 copies; price not given; (KL, 17-60, 165)

BAKULOV, I.A.

Antibiotic treatment and prevention of experimental *Listeria* infections
in white mice and rabbits. Antibiotiki 5 no.4:86-90 II-Ag '60.

(MIRA 13:9)

1. Kafedra epizootologii Moskovskoy veterinarnoy akademii (nauchnyy
rukovoditel' - prof. M.S. Gannushkin).

(LISTEROSIS)

(ANTIBIOTICS)

BAKULOV, I.A., kand. veter. nauk; BESKHLEBANOV, Yu.A., red.; DEYEVA,
V.M., tekhn. red.

[Practical exercises in epizootology and microbiology] Prakticheskie zaniatiia po epizootologii s mikrobiologiei. Moskva, Sel'khozizdat, 1962. 247 p. (MIRA 15:12)
(VETERINARY MEDICINE) (VETERINARY MICROBIOLOGY)

BAKULOV, I. A. and IGNATOVA, O. V. (Candidates of Veterinary Sciences), PETRENKO, A. Ye.
(Physician-Laboratory Technician, Moscow Veterinary Academy).

"Conjunctival test made on guinea pigs and rabbits in the diagnosis of
listerellosis"

Veterinariya, vol. 39, no. 8, August 1962, p. 75

BAKULOV, Igor' Alekseyevich, kand. vet. nauk; FEFEMAN, A.Ye.,
red.; SANTANIDI, L.D., tekhn. red.

[Measures of veterinary prophylaxis on animal farms] Ve-
terinarno-profilakticheskikh fermakh. Moskva, Izd-vo
M-va sel'.khoz.RSFSR, 1963. 75 p. (MIRA 17:1)
(Veterinary medicine)

BAKULOV, I.A.

New data on diagnosis, therapy, and prophylaxis of listerial-
losis. Analele agric zooteh 17 no.6:142-147 N-D'63.

BAKULOV, I.A., kand. veter. nauk

New data on the diagnosis, therapy and prophylaxis of
listeriosis. Veterinaria 40 no.6:42-47 Je '63.
(MIRA 17:1)

RAKULOV, I.A., kand. veterin. nauk; GNATOVA, O.V., kand. veterin. nauk;
PETRENKO, A.Ye., vrach-laborant

Conjunctival test on guinea pigs and rabbits in the diagnosis
of listeriosis. Veterinariia 39 no.8:75-77 Ag '62.

(MIRA 17:12)

1. Moskovskaya veterinarnaya akademiya.

BAKULOV, I.A.; KHIZHINSKIY, P.G.; SAKOVICH, O.Yu.; KOZLOVA, D.I.;
KOTLYAROV, V.M.; KOTLYAROVA, G.A.

Titration of the pathogen of listeriosis on chick embryos and
white mice. Veterinariia 42 no.10:25-28 O '65.

(MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy
virusologii i mikrobiologii.

BAKULOV, I.A.; KOTLYAROV, V.M.

Epizootiology of listeriosis in the U.S.S.R. Veterinariia 42
no.12:28-31 D '65. (MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy
virusologii i mikrobiologii.

L 33673-66 EWT(1)/I JK
ACC NR: AP6012252 (A) SOURCE CODE: UR/0346/65/000/012/0028/0031

AUTHOR: Bakulov, I. A.; Kotlyarov, V. M.

ORG: All Union Scientific Research Institute of Veterinary Virusology and Microbiology (Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy virusologii i mikrobiologii)

TITLE: Epizootiology of listeriosis in the USSR

SOURCE: Veterinariya, no. 12, 1965, 28-31

TOPIC TAGS: epizootiology, animal disease

ABSTRACT: Animal listeriosis has increased in the USSR over the past 9 years. Compared to 1956, 5 times as many animals are infected and 4 times as many die of the disease. Listeriosis cases show the following distribution: sheep (77.2%), pigs (21.81%), and cows (0.99%). The highest numbers of infected sheep and pigs are found in RSFSR, Kazakhstan and the Ukraine, and the highest numbers of infected cows are found in RSFSR, Kazakhstan and Azerbaïdzhân. Whether the increased number of listeriosis cases can be attributed to actual spreading of the disease or improved diagnostic methods is difficult to determine at this time. Orig. art. has: 2 figures and 3 tables.

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 028/ OTH REF: 001
Card 1/1 UDC: 619:616.981.136-036.2

BAKULOV, N.A.; GOL'DANSKIY, P.S.

Experience in organizing teelreom practice. Avt. 1 trakt. prem.
no.11:4-6 N '55. (MIRA 9:2)

1. Moskovskiy avtoavod imeni Stalina.
(Teelreom practice)

BAKULOVA, A. S.

Call Nr: AF 1135661

AUTHOR: Yevgrafov, M. A.
TITLE: Asymptotic Evaluations and Entire Functions (Asimptoticheskiye otsenki i tselye funktsii)
PUB. DATA: Gosudarstvennoye izdatel'stvo tekhniko- teoreticheskoy literatury, Moscow, 1957, 158 pp., 4,000 copies
ORIG. AGENCY: None
EDITORS: Solov'yev, A. D. and Tikhonova, E. P.; Tech. Ed.: Murasheva, N. Ya.; Reviewer: Bakulova, A. S.
PURPOSE: The book is a monograph concerning asymptotic evaluations. It is not designed as a textbook.
COVERAGE: Most asymptotic evaluations are derived using special properties of a problem. The author believes that it is better to use available general methods which must first be classified and generalized. He does not expect to solve all problems using general methods, but thinks

Card 1/5

Call Nr: AF 1135661

Asymptotic Evaluations and Entire Functions (Cont.)

many of them could be solved more simply and more completely. The book consists of three chapters. The author takes four examples and shows how asymptotic evaluations of the functions are obtained, he thus introduces the concepts of asymptotic evaluation and of asymptotic series. After this introduction, he gives four methods for asymptotic evaluation indicated in the Table of Contents. Each method deals with a certain type of function. Formulas for asymptotic evaluation are derived and the application of the formulas for some problems is given. Special consideration is paid to the method of Laplace and the method of steepest descent, which in the author's opinion can be widely applied. The asymptotic evaluation of entire functions, or of functions which can be expressed in terms of entire functions, are needed in many problems of analysis. The author gives the fundamentals of the theory of entire functions in connection with asymptotic evaluation in chapter two. He investigates the relationship between the behavior of entire functions in infinity and the basic elements of the entire function. The author investigates special cases of asymptotic evaluation of entire functions. He takes certain important examples and using the general methods given in chapter one, the theory of entire

Card 2/5

Call Nr: AF 1135661

Asymptotic Evaluations and Entire Functions (Cont.)

functions given in chapter two and some additional formulas, derives asymptotic evaluations of functions. The book deals with Russian contributions. There are 8 references of which 7 are in Russian (including 4 translations) and 1 French. The U.S.S.R. personalities mentioned include Lavrentyev, M. A., Shabat, B. V., Levin, B. Ya., and Markushevich, A. T.

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Call Nr: AF 1135661

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4. Asymptotic evaluation of the zeros of entire functions 148

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AVAILABLE: Library of Congress
Card 5/5

BAKULOVA, L.A.

SLOVOKHOTOVA, N.A.; SAMOKHVALOV, G.I.; MIROPOL'SKAYA, N.A.; ~~BAKULOVA~~
~~L.A.~~ ZHUKOVA, L.P.; PREEBRASHENSKIY, N.A.

Spectroscopic investigation of the reaction mechanism of condensation of β -ionone with ethylene ether of γ -bromocrotonic acid. Izv. AN SSSR Ser. fis. 18 no.6:692-693 N-D '54. (MIRA 8:3)

1. Fiziko-khimicheskiy institut im.L.Ya.Karpova.
(Condensation, Chemical) (Spectrum analysis)

DYDINA, Lyudmila Aleksandrovna; GIRS, A.A., red.; BAKULOVA, R.I.,
red.

[Macrocirculation method of forecasting the weather for
3-10 days in the Arctic] Makrotsirkuliatсионnyi metod
prognozov pogody na 3-10 sutok dlia Arktiki. Leningrad,
Gidrometeor. izd-vo, 1964. 390 p. (MIRA 17:12)

BAKULYUK, A. P., IVASHEV, V. N., TSOY, T. G., and BORUKHOV, H. Yu.

"New Types of Radioactive Isotope Relays and Level Gauges"

paper presented at the All-Union Seminar on the Application of
Radioactive Isotopes in Measurements and Instrument Building,
Frunze (Kirgiz SSR), June 1961)

So: Atomnaya Energiya, Vol 11, No 5, Nov 61, pp 468-470

SAFONOV, V.V.; KORSHUNOV, B.G.; SHEVTSOVA, Z.N.; BAKUM, S.I.

Interaction of tantalum trichloride with fused alkali
metal chlorides. Zhur. neorg. khim. 9 no.7:1687-
1691 J1 '64. (MIRA 17:9)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni
Lomonosova.

ABANIN, Yu.I., inzh.; BAKUMA, M.P., inzh.; DEMESHCHENKO, P.A., inzh.

Modernization of a turbine of 20 million watts. Elek.sta. 30 no.1:
37-41 Ja '59. (MIRA 12:3)

(Steam turbines)

BAKUMA, P.F.

Everything for the people. Nauka i zhittia 11 no.10:7-8 0 '61.
(MIRA 15:1)

1. Prezident Akademii stroitel'stva i arkhitektury USSR.
(Ukraine--Construction industry)

SHVETS, Ivan Trokhimovich [Shvets', I.T.]; OVCHARENKO, Fedor Danilovich, akademik; DOBROKHOTOV, Nikolay Nikolayevich [Dobrokhotov, M.M.], akademik, saslushenny deyatel' nauki i tekhniki USSR; STUDENNIKOV, Timofey Vasil'yevich [Studennykov, T.V.]; BAKUMA, Pavel Fedorovich, akademik; DMITRENKO, Petr Alekseyevich [Dmytranko, Petro Oleksiiovich]

Congress of conquerors. Znan. ta pratsia no.10:1-5 0 '61.
(MIRA 14:8)

1. Rektor Kiyevskogo gosudarstvennogo universiteta im. T.G. Shevchenko (for Shvets).
2. AN USSR (for Ovcharenko).
3. Nachal'nik upravleniya transporta i svyazi Ukrainakogo sovnarkhosa (for Studennikov).
4. Chlen-korrespondent Ukrainskoy Akademii sel'skokhozyaystvennykh nauk (for Dmitrenko).
(Russia--Economic conditions)

BAKUMA, P.

Put the achievements of building science into building practice. Bud.
mat. i konstr. 4 no.1:1-3 Ja-F '62. (MIRA 15:7)

1. President Akademii stroitel'stva i arkhitektury UkrSSR.
(Building--Technological innovations)

BAKUMA, P.F.

Using mathematical methods and computing techniques in the
construction industry. Prom. stroi. 42 no.10:1-4 O '64.

(MIRA 17:11)

1. Nachal'nik Tekhnicheskogo upravleniya Gosstroya SSSR.

133-6-24/33

AUTHORS: Babakov, A.A., Zhadan, T.A., Danilin, V.A., Bakuma, S.F., Antipov, K.I., Kul'kova, M.N. and Kupryakhina, S.Z.

TITLE: An improvement in the technology of production of high-chromium plates. (Uлучsheniye tekhnologii proizvodstva vysokokhromistogo tolstogo lista).

PERIODICAL: "Stal'" (Steel), 1957, No.6, pp.555-559 (USSR).

ABSTRACT: Optimum conditions of rolling and subsequent heat treatment of plates from steels X25T, X28 and X28 with nitrogen, under which the metal would attain mechanical properties satisfying TY5227-55 and good quality cutting and straightening properties in cold state, were investigated. The following participated in the work: Engineers B.Z.Kononov, V.V.Turitsyn, P.N.Sporyshkov, A.P.Okenko ("Krasnyy Oktyabr") and technician V.I.Shashina (TsNIChM). It was found that in order to obtain steel plates of required properties slabs should be rolled in a temperature range from 980 to 1000 C - 720 to 800 C with cooling of plates in air. Thermal treatment: a preliminary annealing at 760-780 C for 12-16 hours followed by hardening of each plate (individually) in water after heating the metal to the same temperature (soaking time 3 min per 1 mm thickness of the plate). Chemical composition of steel from the heats

Card 1/2

An improvement in the technology of production of high-chromium plates. (Cont.) 133-6-24/33

investigated is given in Table 1, mechanical properties of plates tested in Tables 2 to 6 and some examples of microstructure obtained under various conditions of processing in Figs. 2 to 4.

There are 6 tables and 4 figures.

ASSOCIATION: TsNIChM and "Krasnyy Oktyabr'" Works. (TsNIChM i zavod "Krasnyy Oktyabr'").

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Card 2/2

1. *TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii i zavod "Krasnyy Oktyabr'".*

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Научно-техническая конференция по теме: "Современные достижения прокатного производства."

Trudy... (Transactions of the Intercollegiate Scientific and Technical Conference on Recent Achievements in the Rolling Industry) Leningrad, 1976. 231 p. 1,000 copies printed.

Sponsoring Agencies: Leningradskiy politekhnicheskii institut im. M.L. Kalinina, Mashino-tekhnicheskoye obshchestvo khimicheskoy, Leningradskoye obshchestvo, and Mashino-tekhnicheskoye obshchestvo metallurgov, Leningradskoye obshchestvo.

Resp. Ed.: V.S. Smirnov, Doctor of Technical Sciences, Professor; Ed.: M.I. Pavlov.

FOREWORD: These proceedings of the conference are intended for specialists in the rolling industry.

CONTENTS: The articles of this collection cover various theoretical and practical problems of rolling, such as: pressure, spread, efficiency of rolls, determination of deformation, forces required, pass design, optimum conditions for rolling, experience of various plants, modernization of equipment, aluminum-clad steel, and rolling of nonferrous metals. No personalia are mentioned. References appear after each article.

Lavrushin, G.S., and V.P. Burnev. (Leningrad) Some Problems of Production and Equipment in Longitudinal Periodic Hot Rolling 103

Chelyshev, M.A. (Sibirskiy metallurgicheskii institut (Siberian Metallurgical Institute), Stalinsk) Optimum Conditions of Deformation in Rolling 109

Geechko, V.P. (Institut Chernoy Metallurgii AN USSR (Institute of Ferrous Metallurgy, AS UR SSB)) Quality of Rolling With Great Drafts 122

Babina, S.P. [Zavod "Krasnyy Otkryak" (Plant "Krasny Otkryak")] 126

Staltinger] See Type of Rolled Stock for the Tractor Industry 126

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Balenok, P.T. (Leningradskiy zavod po obrabotke tevstnykh metallov (Leningrad Plant for Treatment of Nonferrous Metals)) Modernizing the Equipment of Roll-rolling Shops 163

Chernyak, S.I. (Leningradskiy zavod po obrabotke tevstnykh metallov (Leningrad Plant for Treatment of Nonferrous Metals)) Improving Production of Aluminum-clad Iron 176

Gurevich, D.Ye. (Leningradskiy listoprokatnyy zavod (Leningrad Sheet-rolling Mill)) Combined Method of Producing Roofing Sheets 182

S/133/62/000/003/006/008
A054/A127

AUTHORS: Bakuma, S. F., Engineer, Zil'berg, Yu. Ya., Candidate of Technical Sciences, Khrushchova, K. M., Engineer

TITLE: Using 08K7 (08kp) grade steel in the production of bimetal strips

PERIODICAL: Stal', no. 3, 1962, 267 - 268

TEXT: The use of 08kp grade steel instead of armco iron in the production of steel-aluminum strips has several advantages: the bimetal-strip output can be increased, production is cheaper, the smelting time of 08kp grade steel is by 1 - 1 1/2 hours shorter than that of armco iron, less ferrosilicium and lime are required, the lining of the furnace and that of the ladle have a longer service life because the steel becomes less oxidized and has a lower temperature. The σ_B , σ_S , δ , H_B values and notch toughness (at various degrees of solidification or without solidification) are nearly identical for both metals. The dimensional stability and service life of the main bearing bushings and crank bearing bushings of heavy-duty Δ -54 (D-54) tractor engines, made of bimetal strips based on 08kp steel and armco iron were investigated and compared. the metals had the following composition: (in %)

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Using 08 K П (08kp) grade steel in...

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	C	P	S	Si	Mn
08kp	0.08	0.009	0.0036	traces	0.35
armco iron	0.040	0.012	0.024	0.18	0.20

The technology used for bimetal strips based on 08kp steel was the same as for those made with armco iron (long-term annealing at 460°C followed by slow cooling). At the Volgogradskiy traktorny zavod (Volgograd Tractor Plant) bushings were made from both types of bimetals, 3.2 and 5.2 mm thick. When the bushings made of 08kp steel strips were stamped, scratches were found on the metal surface, but the back of the sheet was cleaner than of sheets made with armco-iron. By pickling the bushings the amount of scratches could be reduced. High-quality stamped products are obtained when the hardness of the base is below 100 R_B and there is no dross scaling off the surface. The strips made with 08kp steel correspond to these requirements. As, during operation, the bushings are deformed by high temperature and stresses (mainly during fitting) it had to be found out in which way the technology and the chemical composition of the steel affected their dimensional stability. The changes of the free bushing-diameters of the D-54 engine, after heating to 100, 150 and 200°C and in a stressed condition were as follows:

Card 2/3

BAKUMA, S.F., inzh.; ZIL'BERG, Yu.Ya., kand.tekhn.nauk; KHRUSHCHOVA, K.M.,
inzh.

Use of 08kp steel for the production of bimetal. Stal' 22
no.3:267-268 Mr '62. (MIRA 15:3)
(Laminated metals) (Steel)

BAKUMENKO, A., starshiy nauchnyy sotrudnik

American capitalism in its true colors. Sov. profsoiuzy 18
no.1:38-40 Ja '62. (MIRA 15:2)

1. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy
AN SSSR.

(United States--Economic conditions)

BAKUMENKO, A. K.

AUTHOR: Bakumenko, A. K., Candidate of Economic Sciences 30-2-35/49

TITLE: Problems of the Effectivity of New Technics (Problemy effektivnosti novoy tekhniki). Discussion in the Department for Economic, Philosophical and Juridical Sciences (Diskussiya v Otdelenii ekonomicheskikh, filosofskikh i pravovykh nauk)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1958, , Nr 2, pp 100-104 (USSR)

ABSTRACT: In a common meeting of the Department for Economic, Philosophical and Juridical Sciences of the ^{AS} USSR and of the Scientific Council for the Problem of "Economic Effectivity of Capital Investments" in October 1957 a discussion took place on S. G. Strumilin's report "On the Effectivity of New Technics". This effectivity arises from the general economic problem: how can maximum results in political economy be obtained within shortest time at lowest expenses. We must regard the increase of labor productivity as a principle economic effect of the renovation of antiquated technics. As secondary effects of the introduction of new technics the author mentions the facilitation of labor, the increase of its safety, and the reorganization of working conditions. An increase of labor productivity

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Problems of the Effectivity of New Technics. Discussion in the 30-2-35/49
Department for Economic, Philosophical and Juridical Sciences

may be regarded as a perfectly positive and objective criterion for the effectivity of new technics. Only by comparing the expected effect of the introduction of new technics with the expenses necessary for this purpose the right impression of the effectivity can be obtained. Decisive for a socialist production is not only a high profitableness but also the highest possible labor productivity. In his report S. G. Strumilin criticized the opinion of Z. F. Chukhanov, Corresponding Member of the USSR. Finally S. G. Strumilin treated the influence of the law of value in a socialist system. In the discussion took part:

- 1) T. S. Khachaturov recommended the calculation of the effectivity of technics not for the whole of political economy but for the separate branches;
- 2) Z. F. Chukhanov had a controversy with S. G. Strumilin over some reproaches of the latter;
- 3) G. D. Bakulev remarked that there is also an influence of the organization of production on the saving of working time;
- 4) Ya. A. Oblomskiy stated that in a socialist system new technics not only serve the increase of labor productivity but also the change of working conditions;

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Problems of the Effectivity of New Technics. Discussion in the 30-2-35/49
Department for Economic, Philosophical and Juridical Sciences

- 5) K. I. Klimenko remarked that for the determination of the average standards for effectivity it is also necessary to consider the frozen capital investments;
- 6) V. S. Nemolinov closed the discussion and recommended to formulate the common point of view in a concrete way, and to pass it on to the projecting offices.

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1. Economic conditions-USSR
2. Industrial production-Economic aspects

Card 3/3

RAKUMENKO, A., kand.ekon.nauk

Why are they on strike? Sov.profsoluzy 16 no.12:57-59
Je '60. (MIRA 13:6)
(United States--Labor and laboring classes)

BAKUMENKO, F.

"The Current Method of Ensiling Forage" p. 27 (Mashinairano Zemedele, Vol. 4, No. 3/4, 1953, Sofiya)

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress, March, 1954, Uncl.

PIVNIENKO, G.P. [Pivnenko, H.P.]; CHAGOVETS, R.K. [Chahovets', R.K.];
PERTSEV, I.M.; BAKUMENKO, G.A. [Bakumenko, H.A.]

Increasing the productivity of workers in drugstores. Farmatsev.
zhur. 15 no.1:37-42 '60. (MIRA 14:5)

1. Kafedra tekhnologii likars'kikh form i galenovikh preparativ
Kharkivs'kogo farmatsevtichnogo 'nstitutu.
(DRUGSTORES)

BAKUMENKO, I.T.

Forms of skeletal growth as revealed by quartz from pegmatites.
Zap.Vses.min.ob-va 91 no.6:662-671 '62. (MIRA 16:2)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.
(Crystals—Growth)

BAKUMENKO, I.T.

"Skeletal graphic texture" in pegmatites. Trudy Inst.geol.i
geofiz.Sib.otd.AN SSSR no.15:166-196 '63. (MIRA 17:4)

SOBOLEV, V.S.; BAKUMENKO, I.T.

Temperature of crystallization of transparent albite from
Strzegom in Lower Silesia. Bul geolog PAN 11 no.2:93-95 '64.

1. Institute of Geology and Geophysics of the Silesian Branch
of the Academy of Sciences of the U.S.S.R. Presented by K.
Smulikowski.

SOBOLEV, V.S., akademik; GOLGOV, Yu.A., doklady, i. t.; KURBANOV,
I.T.; NISHENBAKOVA, Z.V.

High-temperature inclusions in the minerals of pegmatites and
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(MIRA 17:7)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN
SSR.

DOLGOV, Yu.A.; BAEUMYKO, I.T.

High-temperature pneumatolytic quartz of Zolotaya Mountain.
Dokl. AN SSSR 149 : no. 9:1041-1045 9 1964 (MIRA 184.)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.
Predstavleno akademikom V.S. Sobolevym.

BAKUMENKO, I.T.

Determining refractive indices of the inclusion content of
minerals on the Feodorov universal stage. Trudy Inst. geol.
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(MIRA 18:11)

BAKUMENKO, I.T.; LYSAKOV, V.S.

Relation of the conditions governing the growth and further history of quartz from the different pegmatite zones to the characteristics of its thermoluminescence. Dokl. AN SSSR 165 no.3:660-663 N '65. (MIRA 18:11)

1. Submitted May 28, 1965.

AUTHOR: ~~Bakumenko, L. A.~~; Lebedeva, N. V.; Razvodovskaya, L. V.;
Grapov, A. P.; Mel'nikov, N. N.

ORG: All-Union Scientific Research Institute of Chemicals for Plant
Protection (Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
sredstv zashchity rasteniy)

TITLE: Synthesis and herbicidal activity of amido esters and diamides
of methyl- and chloromethylphosphonic acids

SOURCE: Khimiya v sel'skom khozyaystve, v. 4, no. 9. 1966, 51-54

TOPIC TAGS: ~~herbicide, amido phosphonate, methyl phosphonic acid,~~
~~diamide, WEEDKILLER, ESTER, AMIDE, TOXICOLOGY~~

ABSTRACT: Herbicidal activity of the previously obtained amido esters
and diamides of methyl- and chloromethylphosphonic acids
was studied under laboratory conditions. The results are
given in Tables 1 and 2. Experiments with white mice
showed that amido esters of methylphosphonic acid are
highly toxic for mammals, as shown in Table 3.

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UDC:632.954+542.91

ACC NR:AP6031057

Table 1. Properties and herbicidal activity of amido esters of methyl- and chloromethylphosphonic acids.

Comp- ound	R	X	Y	Z	mp in °C/ or mp in °C
I	2-OC ₂ H ₅	O ₂	H	CH ₃	148/0.3
II	2-OC ₂ H ₅	O ₂	H	sec-C ₄ H ₉	71-73.5
III	2-OC ₂ H ₅	O ₂	H	sec-C ₄ H ₉	6.5-51
IV	3-OC ₂ H ₅	O ₂	H	CH ₃	142-143/0.17
V	3-OC ₂ H ₅	O ₂	H	CH ₃	133-135/0.15
VI	3-OC ₂ H ₅	O ₂	H	sec-C ₄ H ₉	123-130/0.1
VII	3-OC ₂ H ₅	O ₂	H	CH ₃	162/0.29
VIII	3-OC ₂ H ₅	O ₂	H	sec-C ₄ H ₉	139-142/0.15
IX	3-OC ₂ H ₅	O ₂	H	sec-C ₄ H ₉	137-138/0.28
X	3-OC ₂ H ₅	O ₂	CH ₃	CH ₃	138/0.31
XI	4-OC ₂ H ₅	O ₂	H	CH ₃	60-61
XII	4-OC ₂ H ₅	O ₂	H	CH ₃	51-53.5
XIII	4-OC ₂ H ₅	O ₂	H	sec-C ₄ H ₉	82-83
XIV	4-OC ₂ H ₅	O ₂	H	CH ₃	142-143/0.15
XV	4-OC ₂ H ₅	O ₂	CH ₃	CH ₃	114/0.17
XVI	4-OC ₂ H ₅	O ₂	CH ₃	CH ₃	122-123/0.2
XVII	4-OC ₂ H ₅	O ₂	CH ₃	CH ₃	136-137-0.3
XVIII	2,4,5-OC ₂ H ₅	O ₂	CH ₃	CH ₃	108-109
XIX	2,4,5-OC ₂ H ₅	O ₂	CH ₃	CH ₃	47-48
XX	OC ₂ H ₅	O ₂	CH ₃	CH ₃	149.5-151.5
XXI	OC ₂ H ₅	O ₂	CH ₃	CH ₃	85-86
XXII	OC ₂ H ₅	OC ₂ H ₅	H	CH ₃	41-42.5
XXIII	OC ₂ H ₅	OC ₂ H ₅	H	CH ₃	113-114/0.15
XXIV	4-OC ₂ H ₅	OC ₂ H ₅	H	CH ₃	46.5-49
XXV	4-OC ₂ H ₅	OC ₂ H ₅	H	CH ₃	51-53
XXVI	4-OC ₂ H ₅	OC ₂ H ₅	H	sec-C ₄ H ₉	113.5-114.5
XXVII	4-OC ₂ H ₅	OC ₂ H ₅	H	CH ₃	44.5-47
XXVIII	4-OC ₂ H ₅	OC ₂ H ₅	H	sec-C ₄ H ₉	39.5-41
XXIX	4-OC ₂ H ₅	OC ₂ H ₅	H	sec-C ₄ H ₉	144-145



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ACC NR:AP6031057

Table 1 cont.

No	%	Concentration (mg/l) causing 50% of growth retardation											
		Wheat		Millet		Raidish		Vetch					
		Shoots	Roots	Shoots	Roots	Shoots	Roots	Shoots	Roots	Shoots	Roots	Shoots	Roots
1,5298	1,2610	>150	>150	>150	>150	>150	>150	75	1.5	>150	>150	>150	45
—	—	>150	135	>150	>150	>150	>150	15	1.5	>150	>150	>150	75
1,5501	1,2256	>150	90	>150	>150	>150	>150	15	1.5	>150	>150	>150	75
1,5570	1,2406	>150	60	60	60	45	45	10.5	3	60	60	10.5	10.5
1,5190	1,1991	>150	105	105	105	60	60	13.5	1.5	60	60	6	6
1,5165	1,1783	75	37.5	15	15	7.5	7.5	7.5	1.5	120	120	12	12
1,5162	1,1973	120	60	90	90	37.5	37.5	10.5	0.15	—	—	—	—
1,5112	1,1835	—	—	—	—	—	—	—	—	—	—	—	—
1,5131	1,1726	—	—	—	—	—	—	—	—	—	—	—	—
—	—	105	30	120	120	60	60	15	13	135	135	60	60
—	—	150	150	150	150	—	—	75	12	>120	>120	120	120
1,5191	1,1828	150	150	—	—	—	—	45	10.5	>150	>150	50	50
1,5232	1,2206	155	38	45	45	45	45	15	10.5	>150	>150	60	60
1,5182	1,1775	150	60	90	90	45	45	13.5	4	150	150	45	45
1,5288	1,2558	>150	82	68	68	68	68	13.5	1	150	150	13.8	13.8
—	—	>150	38	75	75	38	38	11	11	>150	>150	135	135
—	—	120	60	90	90	120	120	75	75	>150	>150	9	9
—	—	105	38	105	105	30	30	30	30	>150	>150	135	135
—	—	>150	—	—	—	—	—	—	—	—	—	—	—
1,5120	1,2003	>150	—	—	—	—	—	—	—	—	—	—	—
—	—	>150	52	52	52	38	38	15	3	>150	>150	60	60
—	—	>150	68	52.5	52.5	45	45	3.6	1.5	>150	>150	14	14
—	—	>150	75	75	75	75	75	9	2.5	150	150	68	68
—	—	>150	82	37.5	37.5	7.5	7.5	3.8	1	45	45	11	11
—	—	>150	38	38	38	30	30	15	3	45	45	9	9
—	—	>105	75	37.5	37.5	30	30	15	3	>150	>150	45	45

Card 3/5

ACC NR. AP6031057

Table 2. Properties and herbicidal activity of diamides of methylphosphonic acid



Compound	Ar	R	mp in °C	Concentration (mg/l) causing 50% of growth retardation										
				Wheat		Oats		Millet		Radish		Vetch		
				Sprouts	Roots	Sprouts	Roots	Sprouts	Roots	Sprouts	Roots	Sprouts	Roots	
1	C ₆ H ₅	CH ₃	74-75	-	-	-	-	-	-	-	-	-	-	-
2	C ₆ H ₄ Cl-M	CH ₃	124-125	>150	>150	>150	135	120	37,5	>150	>150	>150	105	
3	C ₆ H ₄ Cl-M	CH ₃	158-160	>150	150	>150	60	97,5	97,5	>150	>150	135	120	
4	C ₆ H ₄ CH ₃ -M	CH ₃	86-88	-	-	-	1	-	-	-	-	-	-	
5	C ₆ H ₄ CH ₃ -M	CH ₃	139-141	-	-	-	-	-	-	-	-	-	-	
6	C ₆ H ₅	C ₆ H ₅	78-79	>150	150	75	75	>150	>150	>150	>150	>150	30	
7	C ₆ H ₄ Cl-O	C ₆ H ₅	84-85	150	37,5	>150	75	>150	>150	135	135	120	>150	
8	C ₆ H ₄ Cl-M	C ₆ H ₅	105,5-106,5	>150	75	>150	37,5	>150	>150	>150	>150	>150	>150	
9	C ₆ H ₄ Cl-M	C ₆ H ₅	114-114,5	>150	37,5	>150	30	>150	>150	135	120	>150	37,5	
10	C ₆ H ₄ CH ₃ -O	C ₆ H ₅	58-59,5	-	-	-	-	-	-	-	-	-	-	
11	C ₆ H ₄ CH ₃ -M	C ₆ H ₅	59-60	-	-	-	-	-	-	-	-	-	-	
12	C ₆ H ₄ CH ₃ -M	C ₆ H ₅	137-138,5	>150	>150	>150	120	>150	>150	>150	>150	>150	150	
13	C ₆ H ₄ NO ₂ -M	C ₆ H ₅	118-119	>150	>150	>150	>150	>150	>150	>150	75	>150	>150	
14	C ₆ H ₄ O ₂ C ₂ H ₅ -M	C ₆ H ₅	93,5-95,5	>150	135	120	90	150	>150	>150	75	150	150	
15	C ₆ H ₄ OCH ₃ -M	C ₆ H ₅	95,5-97	-	-	-	-	-	-	-	-	-	-	

ACC NR: AP6031057

Table 3. Toxicity (mg/kg) of some compounds with respect to white mice

Compound no. in Table 1	LD ₁₀₀	LD ₅₀	Minimum toxic dose
IV ; XVI ;	50 100	25 75	12,5 25,0

The authors thank Professor V. I. Vashkov for investigating the toxicity of the preparations for mammals and M. I. Gazarinaya for studying the effect of the preparations on Hill's reaction. Orig. art. has: 3 tables

[WA-50; CBE No. 14]
[PS]

SUB CODE: 07/ SUBM DATE: 30May66/ ORIG REF: 007

Card 5/5

L 52171-65 EMT(1)/EMA(j)/EMA(b)-2 Pa-h RO

ACCESSION NR: AP5015539

UR/0286/65/000/008/0079/0080

AUTHORS: Mel'nikov, N. N.; Orapov, A. F.; Lebedeva, N. V.; Bakumenko, L. A.; Bukashkina, Z. V.

TITLE: A method for controlling weeds. Class 45, No. 170245

24
B

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 79-80

TOPIC TAGS: agriculture, pesticide, ester, amidoester

ABSTRACT: This Author Certificate presents a method for controlling weeds by herbicides. To broaden the assortment of herbicides, amidoesters of methyl- and chloromethylphosphinic acid, with a general formula shown in Fig. 1 on the Enclosure, are used as a herbicide. Orig. art. has: 1 formula.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh sredstv zashchity rasteniy (All-Union Scientific Research Institute of Chemical Means for the Protection of Vegetation)

SUBMITTED: 15 June

ENTR. NO

CLASS. NO

Academy of Sciences (All-Union Scientific Research Institute of Chemical Means for the Protection of Vegetation)

SUBMITTED: 15 Jun 64

ENCL: 01

SUB CODE: 00

NO REF SOV: 000

OTHER: 000

Card 1/2

L 52171-65

ACCESSION NR: AP5015538

ENCLOSURE: 01

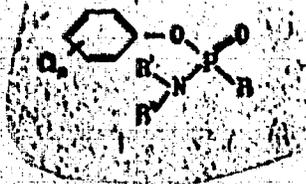


Fig. 1

$R = CH_3$ or $ClCH_2$; $R^1 = H$ or alkyl C_1-C_5 ; $R^2 =$ alkyl C_1-C_4 ; $n =$ an integral number from 1 to 5

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Card 1/2

ACC NR: AP6029034

SOURCE CODE: UR/0413/66/000/014/0121/0121

INVENTOR: Baskakov, Yu. A.; Svirskaya, P. I.; Shvindlerman, G. S.; Stonov, L. D.;
Bakumenko, L. A.; Kol'tsova, S. S.

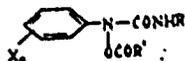
ORG: none

TITLE: A weed control method. Class 45, No. 184062. [announced by All-Union
Scientific Research Institute of Chemicals for Plant Protection (Vsesoyuznyy nauchno-
issledovatel'skiy institut khimicheskikh sredstv zashchity rasteniy)]

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 121

TOPIC TAGS: weed KILLER, AMINE, alkylcarbamidoarylhydroxyamine

ABSTRACT: To increase weed control selective action of herbicides, it is pro-
posed to use N-alkylcarbamido-N-arylhydroxylamines of the general
formula:



where R and R' are the C₁-C₅ alkyls; X is Cl, CH₃, H; and n is 1 or 2.
[WA-50; CBE No. 11]

SUB CODE: 07/ SUBM DATE: 26Jun65/

Card 1/1

UDC: 632.954.2

ACC NR: AP6029063

SOURCE CODE: UR/0413/66/000/014/0121/0121

INVENTOR: Baskakov, Yu. A.; Svirskaya, P. I.; Shvindlerman, G. S.; Stonov, L. D.;
Bakumenko, L. A.; Kol'tsova, S. S.

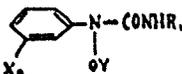
ORG: none

TITLE: A method for combatting weeds on cotton plantations. Class 45, No. 184061.
[announced by All-Union Scientific Research Institute of Chemicals for Plant Protection (Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh sredstv zashchity rasteniy)]

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 121

TOPIC TAGS: weed killer, agriculture crop

ABSTRACT: In the proposed method for weed control on cotton plantations, compounds of the general formula are used as herbicides:



where R is C₁-C₅ alkyls; X is H, Cl, or CH₃; n = 1 or 2; Y is a cation of an alkali metal, NH₄⁺, mono-, di-, and trialkylammonium, or mono-, di-, or trialkanolammonium. The herbicides are used in the form of

Cards 1/2

UDC: 632.954

ACC NR: AP6029063

aqueous solutions by spraying the soil after sowing before the seedlings appear. The dose is 1--4 kg of insecticide per ha. [WA-50; CBE No. 11];

SUB CODE: 06/ SUBM DATE: 07Jun65/

Card 2/2

ACC NR: AP603-548

SOURCE CODE: UR/0413/66/000/016/0029/0029

INVENTOR: Baskakov, Yu. A.; Svirskaya, P. I.; Mel'nikov, N. N.; Shvindlerman, G. S.;
Vasvolozhskaya, N. B.; Stonov, L. D.; Bakumenko, L. A.

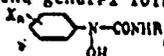
ORG: none

TITLE: Preparation of N-hydroxyurea derivatives. Class 12, No. 184835 [announced
by All-Union Scientific Research Institute of Chemicals for Plant Protection
(Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh sredstv zashchity
rasteniy)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 29

TOPIC TAGS: herbicide, hydroxyurea derivative, alkyl isocyanate, alkylcarbamoyl
chloride, WEED KILLER, UREA COMPOUND

ABSTRACT: In the proposed method for the preparation of herbicides, derivatives
of N-hydroxyurea of the general formula:



are obtained by treating arylhydroxylamines with alkyl isocyanates or
with alkylcarbamyl chlorides. [WA-50; CBE No. 11]

SUB CODE: 07/ SUBM DATE: 28Jul64/

UDC: 547.495.2.07
632.954.2

Cord 1/1

ACC NR: AP6025589 SOURCE CODE: UR/0413/66/000/013/0020/0020

INVENTOR: Mol'nikov, N. N.; Khas'kin, B. A.; Stonov, L. D.; Bakumenko, L. A.; Usacheva, N. M.

ORG: none

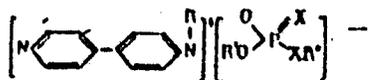
TITLE: Preparation of phosphates, thiophosphates, and N-alkylbipyridylum dithiophosphates. Class 12, No. 183206, (announced by the All-Union Scientific Research Institute of Chemical for Plant Protection (Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh sredstv zashchity rasteniy))

SOURCE: Izobretaniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 20

TOPIC TAGS: herbicide, alkyldipyridylum dithiophosphate, alkyl aryl... phosphate, alkyl aryl thiophosphate, *phosphate*

ABSTRACT:

Total or specific action herbicides, N-alkylbipyridylum dithiophosphates, phosphates, thiophosphates, of the general formula:



Card 1/2

UDC: 547.828'118.5.07 547.828'122'118.5.07

ACC NR: AP6025589

(where R is a substituted or unsubstituted alkyl or benzyl; R' is substituted or unsubstituted alkyl or aryl; R'' is substituted or unsubstituted alkyl, aryl, or an ester group; X = O or S) are obtained by the reaction of 4,4-bipyridyl with aryl and alkyl derivatives of phosphoric, thiophosphoric, and dithiophosphoric acids. [W.A. 50; CBE No. 10]

SUB CODE: 07,06/SUDM DATE: 14Aug65/ ED PRESS

Card 2/2

L 10784-67 EWT(1) RO

ACC NR: A:7003490

(N)

SOURCE CODE: UII/0394/66/004/006/0035/0037

AUTHOR: Novikov, Ye. G.; Pozdeyeva, A. G.; Stonov, L. D.; Bakumenko, L. A. 26

CRG: Novikov; Pozdeyeva Eastern Scientific Research Institute of Carbon Chemistry,
(Vostochnyy nauchno-issledovatel'skiy uglokhimicheskiy institut); Stonov; Bakumenko
All-Union Scientific Research Institute of Chemical Means of Plant Protection
(Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh sredstv zashchity
resteniy)

TITLE: Investigation of the herbicidal activity of semi- and thiosemicarbazones
of the pyridine series

SOURCE: Khimiya v sel'skom khozyaystve, v. 4, no. 6, 1966, 35-37

TOPIC TAGS: pyridine, weed killer, organic synthetic process, agriculture crop

ABSTRACT: A series of 12 semi- and thiosemicarbazones of the pyridine series were synthesized and tested for herbicidal activity on wheat and radish under laboratory conditions. It was established that the physiological activity of the thiosemicarbazones, especially the 2-derivatives, is substantially higher. A determination of the polarographic reduction and oxidation potentials and their comparison with the herbicidal activity of the compounds showed no direct relationship, indicating that the pyridine thiosemicarbazones do not take direct part in the oxidation-reduction processes that occur in plant tissues. A possible mechanism of the herbicidal action of pyridine thiosemicarbazones, consisting of the formation of internal complex compounds with

Card 1/2

UDC: 632.954:547.821

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L 10784-67

ACC NR: AP7003490

trace metal ions, was proposed. It was found that the thiosemicarbazone of 2-pyridinealdehyde exhibits very high herbicidal activity (additional tests were conducted on oats, millet, and vetch) and hence merits further study. The authors also call for a study of the thiosemicarbazones of other aldehydes and ketones of the pyridine series, possessing various substituents in the ring. Orig. art. has: 1 table. [JPRS: 38,970]

SUB CODE: 07 / SUBM DATE: 22Jun65 / ORIG REF: 002 / OTH REF: 001

Card 2/2 *HH*

PETRENKO, B.G., prof.; ANDREYEV, Ye.V., kand.veterin.nauk; ROTOV, V.I.,
kand.veterin.nauk; TOLSTYAK, I.Ye., kand.veterin.nauk;
KONozENKO, P.A., mladshiy nauchnyy sotrudnik; OMELAYENKO, A.A.,
mladshiy nauchnyy sotrudnik; BAKUMENKO, M.D., mladshiy nauchnyy
sotrudnik; CHECHETKINA, N.P., starshiy laborant

Crystal violet blood vaccine against foot-and-mouth disease.
Veterinariia 40 no.7:9-10 J1 '63. (MIRA 16:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy
veterinariii.

(Ukraine--Foot-and-mouth disease--Preventive inoculation)

ANDREYEV, Ye. V.; TULSTYAK, I. Ye.; BAKUMENKO, M. B.

"Ilasticheskiye svoystva mel'chayshikh organizmov na primere virusa yashchura."

report presented at Symp on Virus Diseases, Moscow, 6-9 Oct 64.

Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy veterinarii.

BAKUMENKO, M. S. Cand Med Sci -- (diss) "The condition of the liver ^{Ln} ~~Amisg-~~
chronic alcoholism." Mos, 1967. 16 pp (1st Mos Order of Lenin Med Inst im
I. M. Sechenov), 200 copies (KL, 5-58, 102)

BAKUMENKO, M.S.

Problem of prothrombin synthesis in the liver following vitamin K₃
(vicasol) load in chronic alcoholism. Terap. arkh. 29 no.8:65-71
'57. (MIRA 11:4)

1. Iz fakul'tetskoy terapevticheskoy kliniki (dir.-prof. A.G.
Guknayan) Sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena
Lenina meditsinskogo instituta imeni I.M.Sechenova.

(ALCOHOLISM, physiology,

liver prothrombin synthesis, eff. of vitamin K₃ (Rus)

(VITAMIN K, effects,

K₃, on liver prothrombin synthesis in alcoholism (Rus)

(LIVER, metabolism,

prothrombin synthesis in alcoholism, eff. of vitamin K₃ (Rus)

(PROTHROMBIN,

liver synthesis in alcoholism, eff. of vitamin K₃ (Rus)

BAKUMENKO, M.S.

Antitoxic function of the liver in patients with chronic alcoholism during the stage of acute alcoholic intoxication and during abstinence from alcohol. Terap. arkh, 32 no. 7:62-65 J1 '60. (MIRA 14:1)
(LIVER) (ALCOHOLISM)

BAKUMENKO, M.S. (Moskva)

Some data on the level of cholesterol and cholesterol esters in
chronic alcoholism. Kaz. med. zhur. no.1:66 Ja-F'63. (MIRA 16:8)
(NO SUBJECT HEADINGS)

BAKUMENKO, P.I.

[The Ukraine during the reconstruction of the national economy, 1921-1925]Ukrains'ka RSR v period vidbudovy narodnoho gospodarstva, 1921-1925 rr. Kyiv, Vyd-vo Kyivs'koho univ., 1960. 105 p. (MIRA 16:1)
(Ukraine--Economic conditions)

BAKUMENKO, S. P.

PA 228763

USSR/Electricity - Circuit Breakers
Test Equipment

Apr 52

"Regarding A. A. Gorev, V. M. Nashatyr', and V. V. Kaplan's Article 'A Double-Frequency Oscillatory Circuit for Testing the Interrupting Capacity of Very-High-Power High-Voltage Breakers,'" S. P. Bakumenko, *Engr, Izhevsk*

"Elektrichestvo" No 4, 84-88

Subject article appeared in "Elektrichestvo" No 6 1951. Takes issue with some of the statements in the original article, particularly those relating

228763

to the "supposed economy of the double-frequency circuit." Authors assert that their statements were correct and introduce exptl data obtained at the Lab of High-Voltage Techniques, Leningrad Polytech Inst, to support these statements.

228763

TEPLITSKIY, Ya.I., tekhnik; ~~BAKUMENKO, S.P.~~, inzhener.

Explosion hazard of magnetic starters with damaged coils.
Energetik 4 no.9:17-18 S '56. (MLRA 9:10)
(Electric meters--Starting devices)

POZDNYAKOV, K.A., inzhener; AKSEL'ROD, A.I., inzhener; BAKUMENKO, S.P., inzhener.

Setting up the contacts of mercury controllers used in hydraulic accumulators. Vest.mash.36 no.7:58 J1 '56. (MIRA 9:9)
(Electric controllers) (Hydraulic machinery)

Доклад А. С. В. И.

133-12-5/26

AUTHORS: Bakumenko, S.P., and Svistunov, A.M., Engineers

TITLE: Induction Heating of Ingot Tops (Obogrev pribyli slitka induktsionnymi tokami)

PERIODICAL: Stal', 1957, No.12, pp. 1077 - 1081 (USSR)

ABSTRACT: An experimental application of induction heating of ingot tops on the Izhevskiy Metallurgical Works is described. The installation used (Fig.1), the design of the hot top (Fig.2) and teeming procedure are outlined. Results of the investigation of macrostructure, chemical non-uniformity, non-metallic inclusions and mechanical properties of some of the ingots produced are given. During the experimental period, 20 000 tons of steel were cast (10-65; Y7-Y10; 30Г-65Г; 15Х-40Х; 12ХН3А-20ХН3А; 40ХН; 18ХГТ-30ХГТ; 30ХГА-35ХГСА). On the basis of the results obtained, it is concluded that: 1) induction heating of ingot tops helps to localise shrinkage defects in the ingot top, comprising not more than 5% of the ingot weight. 2) Ingots cast with induction heating have similar quality characteristics as normally cast ingots. 3) Application of the induction heating of ingot tops permits reducing head croppings from 16-18% to 5-9%, thus lowering the cost of steel by 7-9%. The following participated in the work:

Card1/2 L.S. Karepin and P.M. Yakovlev, Engineers, v.P. Pushkin,

Induction Heating of Ingot Tops

133-12-5/26

Ya.I. Tetletskiy and S.A. Shishkin, Technicians.
There are 3 tables and 6 figures.

AVAILABLE: Library of Congress
Card 2/2